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L12: Entry 1 of 5

File: DWPI

Aug 4, 1999

DERWENT-ACC-NO: 1999-446259

DERWENT-WEEK: 200029

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TITLE: A simple method of manufacturing a fuel cell separator that does not produce bubbles

INVENTOR: MIZUNO, S

PRIORITY

PRIORITY-DATA: 1998JP-0022752 (January 19, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 933825 A2	August 4, 1999	E	013	H01M008/02
JP 11204120 A	July 30, 1999		011	
CA 2259748 A1	July 19, 1999	E	000	B29C043/02

INT-CL (IPC): B29B 9/08; B29C 43/02; H01M 2/14; H01M 8/02

ABSTRACTED-PUB-NO: EP 933825A

BASIC-ABSTRACT:

NOVELTY - A fuel cell separator containing epoxy and phenolic binders, which do not generate gas bubbles, and hence maintains the gas impermeability of the separator, is made by:

- A) preparing a raw material by mixing carbon, an epoxy resin and a phenolic resin;
- B) charging the raw material into a mold;
- C) heat press forming the raw material in the mold.

USE - The separator is used in fuel cells.

ADVANTAGE - The separator is prepared using a simple manufacturing process, but does not produce any gas bubbles that reduce the gas permeability.

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EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/9